

Certified U.S. Mail No. 7010 0780 0001 7711 5533

February 28, 2011

Office of Enforcement and Compliance Assurance Office of Federal Activities International Compliance Assurance Division (2254 A) Environmental Protection Agency 1200 Pennsylvania Ave., NW Washington, DC 20460

Re: 2010 Export Annual Report

Valero Refining – Texas, L.P. - Texas City Refinery

Industrial Solid Waste Registration No. 30011

EPA ID No. TXD000792937

TCEQ Regulated Entity Number: RN100238385 TCEQ Customer Reference Number: CN600127468

Dear Administrator:

Valero Refining – Texas, L.P. (Valero) is submitting this Annual Report for the 2010 calendar year for hazardous waste that was exported to foreign countries for metals reclamation from the Valero Texas City Refinery.

This report has been prepared in accordance with the requirements of 40 CFR §262.87.

(a)(1) The EPA identification number, name, and mailing and site address of the notifier filing the report:

EPA Id No.:

TXD000792937

Name:

Valero Refining - Texas, L.P., Texas City Refinery

Mailing

P.O. Box 3429

Address:

Texas City, TX 77592

Site Address:

1301 Loop 197 South @ 14th St.

Texas City, TX 77590

(a)(2) The calendar year covered by the report: 2010

(a)(3) The name and site address of each final recovery facility:

Name:

Union Corporation

Site Address:

#548 Okmyoung-Ri, Daesong-Myon,

Nam-Gu, Pohang-City,

Kyungsanbuk-Do, South Korea

Texas City Refinery • Valero Refining - Texas, L.P.
Post Office Box 3429 • Texas City, Texas 77592-3429 • Telephone (409) 945-4451



CERTIFIED MAIL



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REFINING COMPANY - TEXAS
Post Office Box 3429 • Texas City, Texas 77592-3429

EPA - Office of Federal Activities International Compl. Assurance (2254A) Office of Enforcement & Compliance 1200 Pennsylvania Ave., NW Washington, DC 20460

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OECA – EPA February 28, 2011 Page 2 of 3

(a)(4) By final recovery facility, for each hazardous waste exported, a description of the hazardous waste, the EPA hazardous waste number (from 40 CFR part 261, subpart C or D), designation of waste type(s) from OECD waste list and applicable waste code from the OECD lists, DOT hazard class, the name and US EPA ID number (where applicable) for each transporter used, the total amount of waste shipped pursuant to this Subpart, and number of shipments pursuant to each notification:

Recovery Facility:

Union Corporation

Hazardous Waste Description:

R-14 NHT Hydrotreating Catalyst

EPA Hazardous Waste No.:

K171

OECD Waste Type:

Spent Catalyst Excluding Liquids used as Catalyst,

Transition Metals (Nickel and Molybdenum)

OECD Waste Code:

B1120

DOT Hazard Class:

4.2

Transporter Name: Transporter U.S. EPA ID No.: Jetco Delivery TXR000077976

Amount of Waste Shipped:

36,490 Lbs.

Number of Shipments:

1 shipment

- (a)(5) In even numbered years, for each hazardous waste exported, except for hazardous waste produced by exporters of greater than 100 kg but less than 1000 kg in a calendar month, and except for hazardous waste for which information was already provided pursuant to §262.41:
 - (i) A description of the efforts undertaken during the year to reduce the volume and toxicity of waste generated; and

The Source Reduction Waste Minimization Plan 2008-2012 Executive Summary can be found in Attachment I.

(ii) A description of the changes in volume and toxicity of waste actually achieved during the year in comparison to previous years to the extent such information is available for years prior to 1984:

Valero Texas City Refinery continues to implement provisions of the *Source Reduction Waste Minimization Plan 2008-2012*. As required by that plan and associated reporting requirements, the annual progress report on source reduction and waste minimization activities will be submitted by July 1, 2011 to the Texas Commission on Environmental Quality and will be available upon request.

(a)(6) A certification signed by the primary exporter:

See Attachment II.

OECA – EPA February 28, 2011 Page 3 of 3

Should you have any questions or require additional information, please call me at (409) 948-7215 or via e-mail at gino.paganucci@valero.com.

Sincerely,

Gino Paganucci

Staff Environmental Engineer

Enclosures

cc: HS&E Library File: SW-03-01 (2011 Export Annual Report)

ATTACHMENT I

SOURCE REDUCTION WASTE MINIMIZATION PLAN 2008-2012 EXECUTIVE SUMMARY



TEXAS CITY REFINERY • Valero Refining - Texas, L.P. • Post Office Box 3429 • Texas City, Texas 77592-3429 • Telephone (409) 945-4451

U.S. Certified Mail No. 7006 2150 0005 7219 3934

July 16, 2008

Texas Commission on Environmental Quality Pollution Prevention & Education Section (MC 112) PO Box 13087 Austin, TX 78711-3087

Re: Revision to the Source Reduction/Waste Minimization Plan - Executive Summary

Valero Refining-Texas, L.P.

Texas City Refinery, Galveston County Solid Waste Registration No. 30011 Regulated Entity No. RN100238385 Customer Reference No. CN600127468

Dear Sir or Madam:

Valero Refining – Texas, L.P. (Valero) is submitting the revised Source Reduction/Waste Minimization Plan - Executive Summary for years 2008 through 2012 for its Texas City Refinery. Valero is submitting this revision after making minor modifications to Source Reduction/Waste Minimization Plan.

If you have any questions, please contact me at (409) 948-7215.

Sincerely,

Gino Paganucci

Staff Environmental Engineer

Enclosure

cc: HS&E Library File SW-03-05

Source Reduction and Waste Minimization Plan for Reduction of Hazardous Wastes and TRI Compounds

Valero Refining – Texas, L.P. Texas City Refinery Texas City, Texas

5-Year Plan for Period 2008-2012

Revision Date: 7/15/08

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Pollution Prevention Plan For Reduction of Hazardous Wastes and TRI Compound Releases For The 5-Year Period January 1, 2008 through December 31, 2012

EXECUTIVE SUMMARY

Description of Facility:

Company: Valero Refining - Texas, L.P.

Site: Texas City Refinery

Physical Texas City Refinery Mailing Texas City Refinery
Address: 1301 Loop 197 South @ 14th St. Address: P.O. Box 3429

Texas City, TX 77590 Texas City, TX 77592-3429

Local Contact:

Mr. Leslie G. Rucker; Director, Health, Safety, & Environmental Affairs 409 948-7296 les.rucker@valero.com

Technical Contact:

Mr. Gino Paganucci; Staff Environmental Engineer 409-948-7215 gino.paganucci@valero.com

Valero Refining – Texas, L.P. (Valero) operates a petroleum refinery in Texas City, Texas, which processes crude oil into petroleum products. The unit operations include crude oil distillation, catalytic cracking, catalytic reforming, alkylation, isomerization, sulfur recovery, ROSE unit, hydrorefining, hydrotreating, and delayed coker operations.

The Texas City Refinery operates under the following environmental permits and registrations:

TCEQ Air Account: GB0073-P

TCEO Solid Waste Notice of Registration: 30011

TPDES Wastewater Discharge Permit: 00449 (EPA ID No. TX0006009)

EPA Hazardous Waste Generator Identification: TXD000792937

TRI ID Number: 77592TXSCTLOOP1

SIC Code: 2911

NAICS Code: 324110

Revision 1: 7/15/08

Hazardous Waste and TRI Constituents

The hazardous wastes generated at the refinery for reporting year 2007, and the volume of each, are presented in Table 1. The reportable TRI releases for the reporting year 2006 and the volume of each are presented in Table 2.

Prioritized List of Pollutants

The table below indicates a prioritized list of pollutants to be reduced.

| Priority | Pollutants/Waste to be Reduced | | | | | | | |
|----------|---|--|--|--|--|--|--|--|
| 1 | Sour Crude Tank Bottoms (D001, D018, K169), Sump & Sewer Sludge (F037), API/DAF Sludge (K048, K051, F038), Gasoline Tank Bottoms (D018), Naptha Tank Bottoms (D001, D018) | | | | | | | |
| 2 | Nitrate Compounds in wastewater effluent | | | | | | | |
| 3 | Potassium Hydroxide (D002) | | | | | | | |
| 4 | Sodium Hydroxide (D002) | | | | | | | |

Reduction Goals and Considerations

Valero has defined several specific and general goals for waste minimization in the Texas City Refinery. These goals are:

- · Reduce the risk to human health and the environment,
- Reduce the cost of waste management, and
- Reduce the potential liability of waste management methods.

Valero's Waste Minimization goal for the priority 1 streams in the table above is 500 ton/yr (2,500 tons for 5 yr plan). The goal for each of the priority 1 waste streams is a weighted average based on the waste stream's 2007 baseline quantity. The goal for the priority 2 waste stream is to recycle approximately 250 gpm of wastewater effluent (containing nitrate compounds) to the refinery's firewater storage system. The goal for the priority 3 and 4 waste streams (spent caustic and spent KOH) is to recycle 100% each year by offsite regeneration and reuse processes. Approximately 1662 tons of spent caustic and 560 tons of spent KOH were recycled in 2007.

Waste Minimization and Source Reduction Projects

Valero has considered the potential for off-site exposure resulting from releases of wastes generated at the refinery. The waste minimization projects selected for implementation will reduce the quantity of hazardous waste sent off-site for treatment and disposal, and reduce associated quantities of TRI reportable chemicals sent to landfills and treatment facilities. These projects will also reduce the quantity of reportable chemicals in wastewater discharges.

The projects included in this Plan will reduce overall risks to human health and the environment. A list of source reduction and waste minimization projects planned for the period 2008-2012 and associated schedule for implementation are included in Table 3.

The schedule for future reduction goals is 500 tons per year for wastes recycled in the delayed coker unit, 250 gpm of wastewater recycled to the firewater system, and 100% recycle of KOH and spent caustic for each of the 5 years included in this plan.

For the waste minimization projects included in this plan, Valero has considered the potential for pollutants from the waste minimization activities to be shifted to another medium. Emission controls are used in the coker to limit emissions of waste constituents recycled in the coker. Carbon canisters are used to control VOC emissions on the frac tank and permanent tank (i.e., feed tank) in the Coker Unit. The collection drums for KOH and NaOH in the Alky and Treaters Units are closed systems that vent to the flare. All recycling activities for KOH and NaOH occur offsite. The wastewater that is recycled to the firewater system and reused during refinery operations is routed to the wastewater treatment system.

Revision 1: 7/15/08

Plan Certification

I certify that this Pollution Prevention Plan has been completed to meet the specific requirements of 30 TAC Sections 335.471-335.480, and that the information provided herein is correct and complete.

This document also certifies that I have the authority to commit the corporate resources necessary to implement this plan.

vi

Leslie G. Rucker

Director,

Health, Safety, & Environmental Affairs

Valero Refining - Texas, L.P.

Texas City Refinery

Revision 1: 7/15/08



Hazardous Waste Data Valero Refining - Texas, L.P. Texas City Refinery Tons Per Year (except where noted)

| | | Waste | nformation | | -26-11-15-11-11-11-11-11-11-11-11-11-11-11- | Estimated SR/WM Reduction During 5 Year Plan (Tons) | | | | 2007 Baselin (Tons) |
|--|-----------------------|-----------------------|----------------------------|---------------|---|--|----|-----------|----------------|------------------------|
| Waste | EPA Waste Codes | TCEQ Waste Code | Activity | Mgt Method | Disposal Facility | Project | SR | WM | Total SR+WM | (2010) |
| | | | | | Union | See Note 1 | | | | |
| GOHT (previously Residfiner Catalyst) | K172 | 5152393H | Turnaround/ Maintenance | 010 | Corporation | | | | | 2,123.82 |
| | | | | | Merichem | See Note 2 | | | | |
| | | | Turnaround/ | | | 1 | | | | |
| Spent Caustic | D002 | 0303109H | Maintenance | Recycled | Duratherm | DCH C-N-1 | | 8,313.10 | 8,313.10 | 1,662.62 |
| Sour Crude Tank | D001, | | Tumamound/ | | Duramerm | DCU, See Note 3 | | | | |
| Bottoms | D018, K169 | 0820603H | Turnaround/ Maintenance | 039 | | 1 | | 1,342.59 | 1,342.59 | 268.30 |
| Dottoliis | ILIO | 002000311 | Wastewater | 141, 039, | Duratherm, Veolia | DCU, See Note 3 | | 1,5 12.55 | 1,512.55 | 200.50 |
| Sump & Sewer | | | Collection | 040 | P.A. | | | | | |
| Sludge | F037 | 0085603H | | | | | | 1,016.35 | 1,016.35 | 203.11 |
| | | | 200 | | | See Note 1 | | | | |
| | | | Turnaround/ | | | | | | b 1 | |
| Activated Charcoal | D018 | 5402404H | Maintenance | 010 | Duratherm | See Note 1 | | | | 153.84 |
| Tank 78 Wastewater | | | Turnaround/ | | | See Note 1 | | | . 1 | |
| Sludge | F037 | 0051409H | Maintenance | 040 | Veolia P.A. | 1 | | | | 33.72 |
| D/Mage | 1037 | 003110311 | 14 mineraliza | 0.0 | 1,00007.7.2 | See Note 1 | | | | 33.72 |
| Heat Exchanger | D018, | 1 | Turnaround/ | | | | | | | |
| Bundle Sludge | K050 | 3720603H | Maintenance | 040 | Veolia P.A. | | | | | 20.65 |
| | | | | | Multimetco, Sabin | See Note 1 | | | | |
| C D. C l | | | Turnaround/ | | Metals West | 1 | | | | |
| Spent Pt Catalyst; Reformer | D018 | 5701393H | Maintenance | 010 | Corporation, Cat Rec Of La | | | | | 19.11 |
| retormer | Doro | 510157511 | 17Ium condition | 010 | Nov or La | See Note 1 | | | | 17.11 |
| Ni/Mo Catalyst; | | | Turnaround/ | | | | | | | |
| Reformer | D001 | 4953393H | Maintenance | 010 | Cat Rec Of LA | | | | | 16.57 |
| | K048, | | Wastewater | 039 | | DCU, See Note 3 | | | | |
| CARLAND SHIP ACCIDED A CORP. THE THE | K051, | | Treatment | | | | | | | |
| API/DAF Sludge | F038 | 0011409H | | | Duratherm | See Note 1 | | 76.86 | 76.86 | 15.36 |
| LEG TOVE T | | | T 1/ | | | See Note 1 | | | | |
| ASO/KOH Tank Sludge | D002 | 3813319H | Turnaround/ Maintenance | 040 | Veolia P.A. | 1 | | | | 14.21 |
| Situage | D001, | 301331711 | Manage | 0.0 | Duratherm, Veolia | See Note 1 | | | | 11.21 |
| Co/Mo Catalyst; | D018, | | Turnaround/ | | P.A. | | | i | | |
| Reformer | K171 | 4954393H | Maintenance | 039, 040 | | | | | | 13.23 |
| | | | | | Duratherm | DCU, See Note 3 | | | | |
| Gasoline Tank | | | Turnaround/ | | | | | 41.70 | <1.50 | |
| Bottoms | D018 | 0910603H | Maintenance | 039 | Chemwaste | See Note 1 | | 61.70 | 61.70 | 12.33 |
| | | | T | | Carlyss, VEOLIA | See Note 1 | | | | |
| Contaminated Debris | F037 | 3743319H | Turnaround/ Maintenance | 040, 132 | P.A. | | | | | 11.76 |
| Containnaicu Deoris | 1057 | 3/4331911 | . Tamicolianoc | 010, 132 | | See Note 1 | | | | 21.70 |
| | | | Turnaround/ | | Chemwaste | 30040142344 71035444 | | 1 | | |
| Contaminated Media | K169 | 3767319H | Maintenance | 132 | Carlyss | | | | | 10.30 |
| | | | | | | See Note 1 | | | | |
| | | | Turnaround/ | | | | | | - 1 | |
| Petroleum Coke | D018 | 4507409H | Maintenance | 039 | Duratherm | | | | | 8.11 |
| | | | //cas | | | See Note 1 | | | | |
| | ***** | 200001011 | Turnaround/ | 100 | Chemwaste | | | 1 | - 1 | |
| Contaminated Media | K050 | 3777319H | Maintenance | 132 | Carlyss | | | | | 5.53 |

Hazardous Waste Data Valero Refining - Texas, L.P. Texas City Refinery Tons Per Year (except where noted)

| | | Waste I | nformation | | | Estimated SR/WM Reduction During 5 Year Plan | | | | |
|--|------------------------|-----------------------|----------------------------|---------------|----------------------|--|--------|------|----------------|--------|
| Waste | EPA Waste Codes | TCEQ Waste Code | Activity | Mgt Method | Disposal Facility | Project | (Tons) | WM | Total SR+WM | (Tons) |
| | | | | | | See Note 1 | | | | |
| Computer Monitors | D008 | 3758319H | Other | 141 | Veolia P.A. | | | | | 4.84 |
| Residual Catalyst Contaminated Debris | K172 | 3760319H | Turnaround/ Maintenance | 141 | Chemwaste Carlyss | See Note 1 | | | | 3.66 |
| Alkylate Tank Bottoms | D001, D018 | 0900603Н | Turnaround/ Maintenance | 039 | Duratherm | See Note 1 | | | | 2.85 |
| Residfiner Paint Waste | D001, F003, F005 | 3724604H | Turnaround/ Maintenance | 040 | Veolia P.A. | See Note 1 | | | | 2.60 |
| Spent Lead Acid Batteries | D002, D008 | 1650309Н | Turnaround/ Maintenance | | Veolia P.A. | See Note 1 | | | | 2.28 |
| Naptha Tank Bottoms | D001, D018 | 0953603Н | Turnaround/ Maintenance | 040 | Veolia P.A. | DCU, See Note 3 | | 2.50 | 2.50 | 0.50 |
| Ammonia Vials | D002, D009 | 3741110H | Wastewater Treatment | 141 | Veolia P.A. | See Note 1 | | | | 0.45 |
| API/DAF Contaminated Debris | K048, K051, F038 | 2705489Н | Wastewater Treatment | 040 | Veolia P.A. | See Note 1 | | | | 0.43 |
| Contaminated Media | K171 | 3770319H | Turnaround/ Maintenance | 040 | Veolia P.A. | See Note 1 | | | | 0.23 |
| Solvent Contaminated Rags | F002 | 3771319H | Turnaround/ Maintenance | 040 | Veolia P.A. | See Note 1 | | | | 0.09 |
| Waste Aerosols | D001 | 3775219Н | Turnaround/ Maintenance | 040 | Veolia P.A. | See Note 1 | | | | 0.06 |
| Total | | | | | | | | | 10,813 | 4,611 |

Notes:

- No SR/WM activities planned. Quantities of wastes generated by turnaround/maintenance activities varies significantly each year. These wastes will be evaluated annually for SR/WM opportunities.
- Spent Caustic (0303109H) and spent KOH is regenerated offsite for reuse. Valero's WM goal is based on 2007 baseline quantity and 100% recycled each year.
- Valero's Waste Minimization goal for all DCU streams is 500 Ton/yr (2,500 T for 5 yr plan). The goal for each of the 5
 major DCU waste streams is a weighted average based on the waste stream's 2007 baseline quantity.

Toxic Release Inventory (TRI) Data Valero Refining - Texas, L.P. Texas City Refinery Tons Per Year (except where noted)

| SARA Chemical and Activities | | Estimated | | duction Du (Tons) | Baseline Releases 2006 (Tons) ¹ | | | |
|------------------------------|---|-------------------------------------|------------------|----------------------------|--|----------------------|-----------------------|----------------------------------|
| Compound | Activity | Project | SR - Releases | WM - Rel & Transfers | Total WM & | Baseline Releases | Baseline Transfers | Total Releases & Transfers |
| Nitrate Compounds | Wastewater collection | Firewater recycle, See Note 2 | | | | 137.74 | - | 137.74 |
| Propylene | Production processes | See Note 3 | | | | 23.42 | | 23.42 |
| Ethylene | Production processes | See Note 3 | | | | 19.56 | | 19.56 |
| Ammonia | Production processes, Wastewater system | See Note 3 | | | | 11.68 | 2.69 | 14.37 |
| Toluene | Production processes | See Note 3 | | | | 10.91 | 0.06 | 10.97 |
| n-Hexane | Production processes | See Note 3 | | | | 9.96 | 0.02 | 9.98 |
| Nickel Compounds | Production (catalyst) | See Note 3 | | | | 0.09 | 7.83 | 7.92 |
| Xylene (mixed) | Production processes | See Note 3 | | | | 5.54 | 1.55 | 7.09 |
| Polycyclic Aromatics | Production processes | See Note 3 | | | | 4.67 | 1.92 | 6.59 |
| Benzene | Production processes | See Note 3 | | | | 4.70 | 0.01 | 4.71 |
| Molybdenum Trioxide | Production processes, Wastewater system | See Note 3 | | | | 1.48 | 3.13 | 4.61 |
| Naphthalene | Production processes | See Note 3 | | | | 3.53 | 0.57 | 4.10 |
| Cobalt Compounds | Production (catalyst) | See Note 3 | | | | 0.04 | 3.45 | 3.50 |
| Methanol | Production processes, Wastewater system. | See Note 3 | | | | 2.54 | 0.07 | 2.60 |
| Ethylbenzene | Production processes | See Note 3 | | | | 2.55 | 0.03 | 2.58 |
| Cyclohexane | Production processes | See Note 3 | | | | 2.10 | 0.01 | 2.10 |
| Chlorine | Production processes, Wastewater system | See Note 3 | | | | 2.06 | - | 2.06 |
| Sulfuric Acid | Production processes | See Note 3 | | | | 1.68 | | 1.68 |
| Methyl-tert-butyl-Ether | Production processes | See Note 3 | | | | 1.27 | 0.01 | 1.27 |
| 1,2,4 TMB | Production processes | See Note 3 | | | | 1.08 | 0.15 | 1.22 |
| Vanadium | Production (catalyst) | See Note 3 | | | | 0.42 | 0.77 | 1.19 |
| tert-Butyl Alcohol | Production processes, Wastewater system | See Note 3 | | | | 0.99 | 0.10 | 1.09 |
| Carbon Disulfide | Production processes | See Note 3 | | | | 1.05 | | 1.05 |

Toxic Release Inventory (TRI) Data Valero Refining - Texas, L.P. Texas City Refinery Tons Per Year (except where noted)

| SARA Chemical | Estimated | | eduction Du (Tons) | Baseline Releases 2006 (Tons) ¹ | | | | |
|----------------------|----------------------|------------|-----------------------|--|------------|----------------------|-----------------------|----------------------------------|
| Compound | Activity | Project | SR - Releases | WM - Rel & Transfers | Total WM & | Baseline Releases | Baseline Transfers | Total Releases & Transfers |
| Cresols | Production processes | See Note 3 | | | | 0.81 | 0.11 | 0.92 |
| Hydrogen Fluoride | Production processes | See Note 3 | | | | 0.88 | | 0.88 |
| Lead Compounds | Production processes | See Note 3 | | | | 0.0033 | 0.37 | 0.37 |
| 1,3, Butadiene | Production processes | See Note 3 | | | | 0.36 | - | 0.36 |
| Cyanide Compounds | Production processes | See Note 3 | | | | 0.28 | 0.0038 | 0.28 |
| Phenol | Production processes | See Note 3 | | | | 0.09 | 0.13 | 0.22 |
| Hydrogen Cyanide | Production processes | See Note 3 | | | | 0.16 | | 0.16 |
| Tetrachloroethylene | Production processes | See Note 3 | | | | 0.13 | | 0.13 |
| Benzo(G,H,I)perylene | Production processes | See Note 3 | | | | 0.0004 | 0.13 | 0.13 |
| Carbonyl Sulfide | Production processes | See Note 3 | | | | 0.12 | | 0.12 |
| Cumene | Production processes | See Note 3 | | | | 0.11 | 0.01 | 0.11 |
| Hydrochloric Acid | Production processes | See Note 3 | | | | 0.09 | | 0.09 |
| Mercury | Production processes | See Note 3 | | | | 0.02 | 0.0009 | 0.02 |
| Dioxin (gms) | Production processes | See Note 3 | | | | 0.23 | | 0.23 |
| Total Releases | | | | | | 252 | 23 | 275 |

Notes:

- 1. Baseline data for 2007 was not available at the time the SR/WM Plan was developed.
- 2. The approximate quantity of wastewater recycled to the firewater system is 250 gpm.
- 3. No SR/WM activities planned. Releases are mainly associated with air emissions which are minimized by various emission control and air permitting conditions and fugitive monitoring programs (LDAR). Transfers are mainly associated with waste management activities; SR/WM for transfers are addressed in Waste Table. These releases and transfers will be evaluated annually for SR/WM opportunities.

Source Reduction/Waste Minimization Projects Valero Refining - Texas, L.P. Texas City Refinery Plan Period 2008-2012

| Priority | Project Name | Project Description | Pollutants/Waste to be Reduced | Environmental or Human Health Risks or Benefits | Technical and Economic Considerations | Implementation Schedule | Awareness and/or Training Efforts |
|----------|----------------------|--|---|--|--|----------------------------|---|
| 1 | DCU | Process in the DCU | Sour Crude Tank Bottoms (D001, D018, K169), Sump & Sewer Sludge (F037), API/DAF Sludge (K048, K051, F038), Gasoline Tank Bottoms (D018), Naptha Tank Bottoms (D001, D018) | Will reduce the quantity of hazardous waste sent off-site for treatment and disposal, and reduce associated quantities of TRI reportable chemicals sent to landfills and treatment facilities. | DCU is technically feasible. Will reduce hazardous waste costs. | In operation | Current training program addresses many aspects of refinery operations, specific requirements of RCRA, EPCRA, and hazard communication requirements of OSHA |
| 2 | Firewater | A portion of wastewater effluent is used as supply in firewater storage system (approximately 250 gpm) | Nitrate Compounds in wastewater effluent | Will reduce the quantity of reportable chemicals in wastewater discharge. | Technically feasible. Will reduce firewater makeup costs. | In operation | Current training program addresses many aspects of refinery operations, specific requirements of RCRA, EPCRA, and hazard communication requirements of OSHA |
| 3 | KOH Regeneration | Spent KOH is sent offsite and is regenerated for | Potassium Hydroxide (D002) | Will reduce the quantity of hazardous waste sent off-site for treatment and disposal | Technically feasible. Will reduce hazardous waste costs. | In operation | Current training program addresses many aspects of refinery operations, specific requirements of RCRA, EPCRA, and hazard communication requirements of OSHA |
| 4 | NaOH Regeneration | Spent NaOH is sent offsite and is regenerated for | | Will reduce the quantity of hazardous waste sent off-site for treatment and disposal | Technically feasible. Will reduce hazardous waste costs. | In operation | Current training program addresses many aspects of refinery operations, specific requirements of RCRA, EPCRA, and hazard communication requirements of OSHA |

ATTACHMENT II

PRIMARY EXPORTER CERTIFICATION

Certification by Primary Exporter

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Leslie G. Rucker

Director, Health, Safety, & Environmental Affairs

Valero Refining - Texas, L.P.

Texas City Refinery

2-28-11 Date